

Amendments to the Specification

Please replace the paragraph beginning on page 3, line 16, with the following rewritten paragraph:

Therefore, several suggestions have been made thus far for meeting these requirements, but of these, the method wherein a coating liquid for forming a transparent conductive layer prepared by dispersing conductive microparticles in a solvent is applied to the front glass of a CRT and dried, and a coating liquid for forming a transparent coat layer comprising as its main component an inorganic binder such as silica sol, and then baked at a temperature of the order of 200(C is known as a method with which low cost and low ~~surface~~ surface resistance can be realized.

Please replace the paragraph beginning on page 4, line 21, with the following rewritten paragraph:

On the other hand, when compared to coating liquids that use ITO, a film with somewhat lower transmittance, but also low resistance of 10^2 to $10^3 \Omega/\square$, is obtained with coating liquids for forming transparent conductive layers that use metal ~~maieroparticles~~ microparticles for the above-mentioned conductive microparticles so that shielding an electric field can be performed without use of the above-mentioned corrective circuit.

Please replace the paragraph beginning on page 6, line 2, with the following rewritten paragraph:

Consequently, it is ~~pref-red~~ preferred that antiglare treatment be performed by the interference method whereby the refractive index and film thickness of the transparent film be controlled so that there is destructive interference of the incident light by the reflected light.

Please replace the paragraph beginning on page 15, line 16, with the following rewritten paragraph:

Here, the above-mentioned long chain alkyl groups should contain 7 to 30 carbon atoms (Claim 1). When carbon atoms are less than 7, there will be a small amount of orientation on the surface, and in addition, even if the long chain alkyl groups are oriented, lubrication action itself that the long chain alkyl groups have will be insufficient and the effect of improving the scratch strength will be small, which will be impractical. In addition, when carbon atoms are more than 30, it might cause a problem in solubility of the alkyl group containing compound having the long chain alkyl groups to the transparent coat ~~lay + layer~~ forming coating liquid or in coatability of the transparent coat layer forming coating liquid, which will not be preferred.

Please replace the paragraph beginning on page 19, line 21, with the following rewritten paragraph:

In addition, for the above-mentioned noble metal-coated silver ~~microparticles, specific~~ microparticles, specific resistance of platinum is somewhat higher than that of silver and gold, as previously mentioned, and therefore, as surface resistance of a transparent conductive film, Ag-Au system is more preferable than Ag-Pt system and Ag-Au-Pt system. However, since gold or platinum only or a composite of gold and platinum is used as coating layer on the surface of the above-mentioned silver microparticles, the good electrical conductivity of the silver is not lost to such an extent that it falls below the level needed for practical application, even if the above-mentioned Ag-Pt system or Ag-Au-Pt system is used.

Please replace the paragraph beginning on page 21, line 1, with the following rewritten paragraph:

Furthermore, when gold or platinum only or a composite of gold and platinum is ~~coat + coated~~ on the surface of silver microparticles, silver within the noble metal-coated

silver microparticles will be protected by the gold or platinum only or the composite of gold and platinum, and therefore, weather resistance, chemical resistance, ultraviolet ray resistance, etc., will be markedly improved.

Please replace the paragraph beginning on page 27, line 19, with the following rewritten paragraph:

In addition, in the process for forming the above-mentioned transparent conductive layer, the above-mentioned transparent conductive layer forming coating liquid made by mixing a silica sol liquid as the inorganic binder component that makes up the binder matrix in addition to the solvent and the conductive microparticles having a mean ~~partiel~~-particle diameter of 1 to 100 nm dispersed in this solvent may be used (Claim 11). In this case also, the same above-mentioned transparent two-layered film is obtained by applying the transparent conductive layer forming coating liquid comprising a silica sol liquid and when necessary, after drying, overcoating a transparent coat layer forming coating liquid by the above-mentioned method.

Please replace the paragraph beginning on page 28, line 23, with the following rewritten paragraph:

Moreover, in order to make the display screen easier to see by adjusting the transmittance of the above-mentioned transparent ~~two-layer~~red two-layered film to the ~~pred-termined~~predetermined range (40 to 75%) lower than 100%, color pigment microparticles, etc., may be mixed into the above-mentioned transparent conductive layer forming coating liquid. For example, one or more types of microparticles selected from carbon, titanium black, titanium nitride, composite oxide pigment, cobalt violet, molybdenum orange, ultramarine, Prussian blue, quinacridone pigment, anthraquinone pigment, perylene pigment, isoindolinone pigment, azo pigment, and phthalocyanine pigment, etc., can be used as the above-mentioned color pigment microparticles.

Please replace the paragraph beginning on page 29, line 24, with the following rewritten paragraph:

Examples of the present invention will now be explained in the concrete, but the ~~present~~present invention is not limited to ~~these~~these examples. Moreover, the "%" in this text are "wt%" with the exception of the (%) used for transmittance, reflectance and haze value, and the "parts" are "parts by weight."

Please replace the paragraph beginning on page 30, line 22, with the following rewritten paragraph:

Once desalting of this colloidal dispersion of noble metal-coated silver microparticles was performed with an ion-exchange resin (Diaion SK1B, SA20AP; brand names of Mitsubishi Chemical Corporation), ultrafiltration was performed, and to the concentrated dispersion of the noble metal-coated silver ~~microparticles~~microparticles which was ~~obtained~~, ~~ethanol~~obtained, ethanol (EA), propylene glycol monomethyl ether (PGM), diacetone alcohol (DAA) and formamide (FA) were added to obtain a transparent conductive layer forming coating liquid that contains noble metal-coated silver microparticles (Ag: 0.08%, Au: 0.32%, water: 10.7%, EA: 53.8%, PGM: 25%, DAA: 10%, FA: 0.1%).

Please replace the paragraph beginning on page 31, line 15, with the following rewritten paragraph:

Next, this transparent conductive layer forming coating liquid was spin coated (150 rpm, 60 seconds) onto a glass substrate (soda lime glass with a thickness of 3 mm) that had been heated to 40°C and then a transparent coat layer forming coating liquid was spin coated (150 rpm, 60 seconds) and the product was further cured for 20 minutes at 180°C to obtain a glass substrate with a transparent two-layered film composed of a transparent conductive layer comprising noble metal-coated silver microparticles and a binder matrix of silicon oxide and a transparent coat layer ~~consisting~~consisting of silicate film comprising as its main

component silicon oxide including a long chain alkyl group, that is, the transparent conductive layered structure of Example 1.

Please replace the paragraph beginning on page 33, line 2, with the following rewritten paragraph:

Furthermore, the above-mentioned bottom reflectance means minimum reflectance in the ~~r-flecti-n~~-reflection profile of the transparent conductive layered structure, and the bottom wavelength means the wavelength when reflectance is at its minimum.

Please replace the paragraph beginning on page 33, line 22, with the following rewritten paragraph:

Unless otherwise noted, here the value of transmittance of the transparent two-layered film only without the transparent substrate is used as the transmittance in the present ~~specificati-n~~-specification.

Please replace the paragraph beginning on page 34, line 2, with the following rewritten paragraph:

Moreover, ~~surfae~~-surface resistance of the transparent two-layered film was determined using the surface resistance meter (Loresta AP MCP-T400) of Mitsubishi Chemical Corporation.

Please replace the paragraph beginning on page 34, line 17, with the following rewritten paragraph:

Other than the fact that n-decyltrimethoxysilane was added to obtain a transparent coat layer forming coating liquid as in Example 1 which includes 1.0 parts by weight of n-decyltrimethoxysilane to 100 parts by weight of the inorganic binder (SiO₂) in the silica sol liquid, the same treatment as in Example 1 was performed to obtain a glass substrate with a transparent two-layered film composed of a transparent conductive layer comprising noble metal-coated ~~silv-r~~-silver microparticles that are conductive microparticles and a binder

matrix of silicon oxide and a ~~transparent~~ transparent coat layer consisting of silicate film comprising as its main component silicon oxide including a long chain alkyl group, that is, the transparent conductive layered structure of Example 2.

Please replace the paragraph beginning on page 36, line 15, with the following rewritten paragraph:

Other than the fact that n-octyltrimethoxysilane [$C_8H_{17}Si(OCH_3)_3$] was added to obtain a transparent coat layer forming coating liquid as in Example 1 which includes 0.5 parts by weight of n-octyltrimethoxysilane to 100 parts by ~~weight~~ weight of the inorganic binder (SiO_2) in the silica sol liquid, the same treatment as in Example 1 was performed to obtain a glass substrate with a transparent two-layered film composed of a transparent conductive layer comprising noble metal-coated silver microparticles that are conductive microparticles and a binder matrix of silicon oxide and a transparent coat layer consisting of silicate film comprising as its main component silicon oxide including a long chain alkyl group, that is, the transparent conductive layered structure of Example 5.

Please replace the paragraph beginning on page 37, line 15, with the following rewritten paragraph:

Other than the fact that n-octyltrimethoxysilane was added to obtain a transparent coat layer forming coating liquid as in Example 1 which includes 1.0 parts by weight of n-octyltrimethoxysilane to 100 parts by weight of the inorganic binder (SiO_2) in the silica sol liquid, the same treatment as in Example 1 was performed to obtain a glass substrate with a transparent two-layered film composed of a transparent conductive layer comprising noble metal-coated silver microparticles that are conductive microparticles and a binder matrix of silicon oxide and a transparent coat ~~layer~~ layer consisting of silicate film comprising as its main component silicon oxide including a long chain alkyl group, that is, the transparent conductive layered structure of Example 6.

Please replace the paragraph beginning on page 38, line 24, with the following rewritten paragraph:

The above-mentioned film properties of the transparent two-layered film ~~formed~~ formed on the glass substrate are shown in Table 1 ~~below~~ below.

Please replace the paragraph beginning on page 41, line 1, with the following rewritten paragraph:

[~~Comparativ~~ Comparative Example 2]

Please replace the paragraph beginning on page 41, line 2, with the following rewritten paragraph:

Other than the fact that a silica sol liquid without ~~additi~~ n-addition of a long chain alkyl group containing silicon compound (n-decyltrimethoxysilane) was used as a transparent coat layer forming coating liquid as in Example 4, the same treatment as in Example 4 was performed to obtain a glass substrate with a transparent two-layered film composed of a transparent conductive layer comprising noble metal-coated silver microparticles that are conductive microparticles, a polymer resin, and a binder matrix of silicon oxide and a transparent coat layer consisting of silicate film comprising as its main component silicon oxide, that is, the transparent conductive layered structure of Comparative Example 2.

Please replace the paragraph beginning on page 41, line 19, with the following rewritten paragraph:

Other than the fact that n-hexyltrimethoxysilane [C₆H₁₃Si(OCH₃)₃] was added to obtain a transparent coat layer forming coating liquid as in Example 1 which includes 1.0 parts by weight of n-hexyltrimethoxysilane to 100 parts by weight of the inorganic binder (SiO₂) in the silica sol liquid, the same treatment as in Example 1 was performed to obtain a glass substrate with a transparent two-layered film composed ~~of a transparent e~~ of a transparent e ~~nductive~~ nductive conductive layer comprising noble metal-coated silver ~~microparticl~~ s-microparticles that ~~ar~~

are conductive microparticles and a binder matrix of silicon oxide and a transparent coat layer consisting of silicate film comprising as its main component silicon oxide including alkyl group, that is, the transparent conductive layered structure of Comparative Example 3.

Please replace the paragraph beginning on page 43, line 1, with the following rewritten paragraph:

The above-mentioned film properties ~~fof~~the transparent two-layered film ~~from d~~ formed on the glass substrate are shown in Table 1.

Please replace page 44 of the Specification as originally filed, with substitute page 44 (attached).

Please replace the paragraph beginning on page 45, line 1, with the following rewritten paragraph:

[~~Chemical R-sistance~~ Resistance Tests]

Please replace the paragraph beginning on page 45, line 2, with the following rewritten paragraph:

The ~~transpar-nt~~ transparent conductive layered structures of Example 1 through 7 and the transparent conductive layered structures of Comparative Examples 1 through 3 were immersed in 5% brine for 24 hours and surface resistance and film appearance of the transparent two-layered film on the transparent substrate (glass substrate) were investigated. However, no change was observed.

Please replace the paragraph beginning on page 45, line 23, with the following rewritten paragraph:

(1) As is clear from the results shown in Table 1, the surface resistance (Ω/\square) and the visible light ray transmittance of the transparent two-layered film according to Examples 1 through 7 show very ~~ex-llent~~ excellent properties as similar to those values of the ~~transpar-nt~~

~~two-layer d-transparent two-layered~~ film according to Comparative Examples 1 through 3.

Moreover, the similar results were observed in a comparison between Example 8 and Comparative Example 4.

Please replace the paragraph beginning on page 46, line 19, with the following rewritten paragraph:

(2) Additionally, from the results in the above-mentioned chemical resistance tests, it is also confirmed that the transparent two-layered film according to Examples 1 through 7, even when long chain alkyl groups containing 7 to 30 carbon atoms are introduced into the transparent coat layer, has an excellent weather resistance as similar to the values of the transparent two-layered film according to ~~Comparativ-~~Comparative Examples 1 through 3.

Please replace the paragraph beginning on page 47, line 3, with the following rewritten paragraph:

(3) As is seen from the results of ~~water-repell-ney~~water-repellency examination ~~f-of~~ films, the transparent two-layered films of Examples 1 through 8 were rendered to be repellent to water so that the effect of preventing water from penetrating into the films can be expected.

Please replace the paragraph beginning on page 47, line 21, with the following rewritten paragraph:

Moreover, according to the method of producing the transparent conductive layered structure of the present invention as described in Claims 6 through 11, since the method comprises the steps of: applying on a transparent substrate a transparent conductive layer ~~frming~~forming coating liquid comprising, as its main ~~comp-nents~~components, a solvent and noble metal microparticles having a mean particle diameter of 1 to 100 nm dispersed in the solvent; then applying a transparent coat layer forming coating liquid comprising, as its main component, an inorganic binder composed of silica sol including an alkyl group

containing compound having one or more types of alkyl groups selected from long chain alkyl groups containing 7 to 30 carbon atoms; and performing heat treatment, the method has the advantage of producing the transparent conductive layered structure according to Claims 1 through 5 with low cost and usefully.

Please replace the paragraph beginning on page 49, line 3, with the following rewritten paragraph:

Additionally, according ~~to~~ to the display device of the present invention as described in Claim 14, since the transparent conductive layered structure according to any of Claims 1 through 5 is incorporated as a front panel with the side of the transparent two-layered film thereof being disposed outside, surface reflection on the screen is prevented and the display device has high antistatic or electric field-shielding activity.